Rev 03/05/04

# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.: S-102,389

First Inventor or Application Identifier: **Yusheng Zhao et al.**

Title: BULK SUPERHARD B-C-N NANOCOMPOSITE COMPACT AND METHOD FOR PREPARING THEREOF

Express Mail Label No.: **ET459332525US**

## APPLICATION ELEMENTS

ADDRESS TO:    Commissioner for Patents
Mail Stop Patent Application
PO Box 1450
Alexandria, VA 22313-1450

1. ☒ * Fee Transmittal Form *(e.g. PTO/SB/17)*
*(submit an original and a duplicate for fee processing)*

2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification    [ *Total Pages: 20* ]
   ☒ Descriptive title of the Invention
   ☐ Cross References to Related Applications
   ☒ Statement Regarding Fed sponsored R&D
   ☐ Reference to sequence listing, a table
     or a computer program listing appendix
   ☒ Background of the Invention
   ☒ Brief Description of the Drawings (if filed)
   ☒ Detailed Description
   ☒ Claim(s)
   ☒ Abstract of the Disclosure

4. ☒ Drawings(s) *(35 U.S.C.113)*[*Total Sheets:* 8 ]
   ☒ Formal ☐ Informal

5. ☒ Declaration & Power of Attorney
       [ *Total Pages: 2* ]

   a. ☐ Newly executed (original or copy)

   b. ☒ Copy from a prior application (37 C.F.R§.63(d))
     *(for continuation/divisional with Box 16 completed)*

   c. ☐ DELETION OF INVENTOR(S)
     Signed statement attached deleting
     inventor(s) named in the prior application,
     see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (*Appendix*)

8. Nucleotide and/or Amino Acid Sequence Submission
*(if applicable, all necessary)*
   a. ☐ Computer Readable Form (CRF)
   b.    Specification Sequence Listing on:
     i. ☐ CD-ROM or CD-R (2 copies): or
     ii. ☐ paper
   c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))

10. ☐ 37 C.F.R.§3.73(b) Statement    ☐ Power of
   *(when there is an assignee)*    Attorney

11. ☐ English Translation Document (*if applicable*)

12. ☒ Information Disclosure    ☒ Copies of IDS
   Statement (IDS)/PTO-1449    Citations

13. ☒ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
   *(should be specifically itemized)*

15. ☐ Certified Copy of Priority Document(s)
   *(if foreign priority is claimed)*

16. ☐ Nonpublication Request and Certification Under 35 U.S.C.
122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its
equivalent

17. ☐ Other:

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16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

   ☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application S.N. 10/190,156

Prior application information:    Examiner:    Archene A. Turner      Group/Art Unit: 1775

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can</u> <u>only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 16. CORRESPONDENCE ADDRESS

☒ **Customer Number 35068**      OR ☐ Correspondence Address Below

# 35068

| | |
|---|---|
| Name: | Samuel L. Borkowsky |
| Address: | **Los Alamos National Laboratory, LC/IP, MS A187** |
| City: | **Los Alamos**   State: **New Mexico**   Zip Code: **87545** |
| Country: | **United States**   Telephone:   Fax: **(505) 665-4424** |

| Name: Samuel L. Borkowsky | Registration No.: 42,346 |
|---|---|
| Signature: *Samuel L. Borkowsky* | Date: *April 14, 2004* |

# FEE TRANSMITTAL
## For FY 2004
*Patent fees are subject to annual revision*

☐ Applicant claims small entity status.  See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT: $**

| Complete if Known | |
|---|---|
| Application Number: | |
| Filing Date: | |
| First Named Inventor: | Yusheng Zhao et al. |
| Examiner Name: | |
| Group/Art Unit: | |
| Attorney Docket No.: | S-102,389 |

## METHOD OF PAYMENT (check all that apply)

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
   Deposit Account Number: **12-2150**
   Deposit Account Name: **Los Alamos National Laboratory**
   ☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee | Small Entity Fee | Fee Description | Fee Paid |
|---|---|---|---|
| 1001 $770 | 2001 $385 | Utility filing fee | |
| 1004 $770 | 2004 $385 | Reissue filing fee | |
| 1005 $160 | 2005 $80 | Provisional filing fee | |

**SUBTOTAL (1)   $385.00**

### 2. EXTRA CLAIM FEES

| | Extra Claims | Fee from Below | Fee Paid |
|---|---|---|---|
| Total Claims | 22 −20** = 2 | X 9 | = 18.00 |
| Independent Claims | 2 − 3** = 1 | X 43 | = -0- |
| Multiple Dependent | | = | |

** or number previously paid, if greater; For Reissues, see below

| Large Entity Fee | Small Entity Fee | Fee Description |
|---|---|---|
| 1202 $18 | 2202 $9 | Claims in excess of 20 |
| 1201 $86 | 2201 $43 | Independent claims in excess of 3 |
| 1203 $290 | 2203 $145 | Multiple dependent claim, if not paid. |
| 1204 $86 | 2204 $43 | ** Reissue independent claims over original patent |
| 1205 $18 | 2205 $9 | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)   $18.00**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code | ($) | Small Entity Fee Code | ($) | Fee Description | Fee Paid |
|---|---|---|---|---|---|
| 1051 | $130 | 2051 | $65 | Surcharge – late filing fee or oath | |
| 1052 | $50 | 2052 | $25 | Surcharge – late provisional filing fee or cover sheet | |
| 1812 | $2,520 | 1812 | $2,520 | For filing a request for reexamination | |
| 1251 | $110 | 2251 | $55 | Extension for reply within first month | |
| 1252 | $420 | 2252 | $210 | Extension for reply within second month | |
| 1253 | $950 | 2253 | $475 | Extension for reply within third month | |
| 1254 | $1,480 | 2254 | $740 | Extension for reply within fourth month | |
| 1255 | $2,010 | 2255 | $1,005 | Extension for reply within fifth month | |
| 1401 | $330 | 2401 | $165 | Notice of Appeal | |
| 1402 | $330 | 2402 | $165 | Filing a brief in support of an appeal | |
| 1403 | $290 | 2403 | $145 | Request for oral hearing | |
| 1452 | $110 | 2452 | $55 | Petition to revive – unavoidable | |
| 1814 | $110 | 2814 | $55 | Terminal Disclaimer | |
| 1453 | $1,330 | 2453 | $665 | Petition to revive – unintentional | |
| 1460 | $130 | 1460 | $130 | Petitions to the Commissioner | |
| 1806 | $180 | 1806 | $180 | Submission of Information Disclosure Statement | |
| 1809 | $770 | 2809 | $385 | Filing a submission after final rejection (37 CFR 1.129 (a)) | |
| 1810 | $770 | 2810 | $385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1811 | $100 | 1811 | $100 | Certificate of Correction | |
| 1504 | $300 | 1504 | $300 | Publication fee for early, voluntary, or normal publication | |
| 1801 | $770 | 2801 | $385 | Request for Continued Examination (RCE) | |

Other fee (specify) _____

**SUBTOTAL (3)   $-0-**

Reduced by Basic Filing Fee Paid

| | |
|---|---|
| **SUBTOTAL FROM 1** | $385.00 |
| **SUBTOTAL FROM 2** | 18.00 |
| **SUBTOTAL FROM 3** | $-0- |
| **TOTAL AMOUNT OF PAYMENT** | $403.00 |

## SUBMITTED BY

| | | Complete (if applicable) | |
|---|---|---|---|
| Printed Name: | Samuel L. Borkowsky | Reg. No. | 42,346 |
| Signature: | *Samuel J. Borkowsky* | Date: April 14 2004 / Telephone | 665-3111 |